



Plans for using HRMs For file replication In STAR

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Basic Concepts

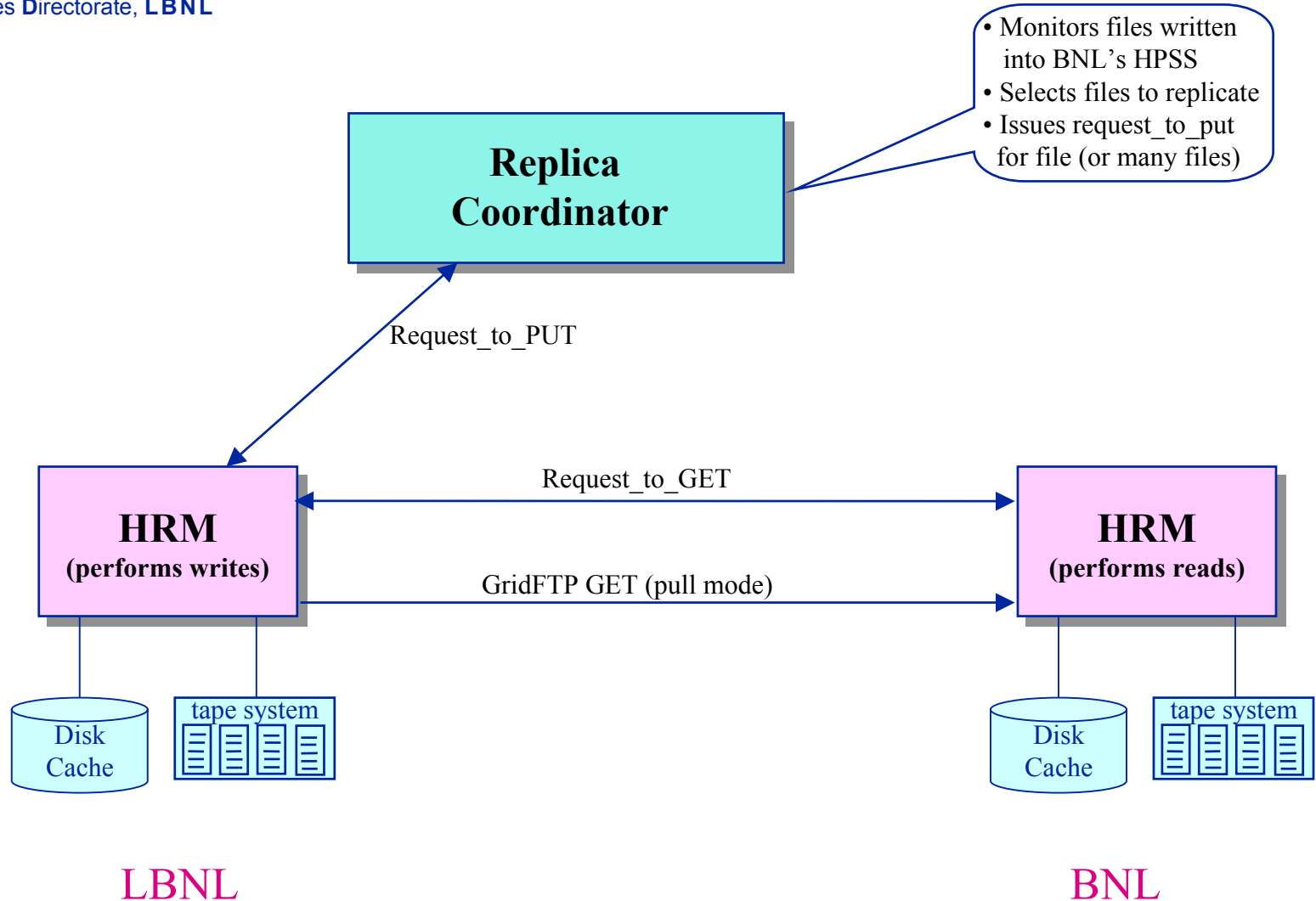
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- **STAR provides “replica coordinator”**
- **CS team provides HRMs**
- **HRM design**
 - **Read:** if file requested is not in cache, it stages it from tape
 - **Write:** if file requested is not in cache, it gets it from the source (could be another HRM/DRM)
- **Plan for replicating files from BNL to LBNL**
 - **Use HRM at BNL for “staging” from tape**
 - **Use HRM at LBNL for “migrating” to tape**

HRMs in BNL and LBNL

(high level view)

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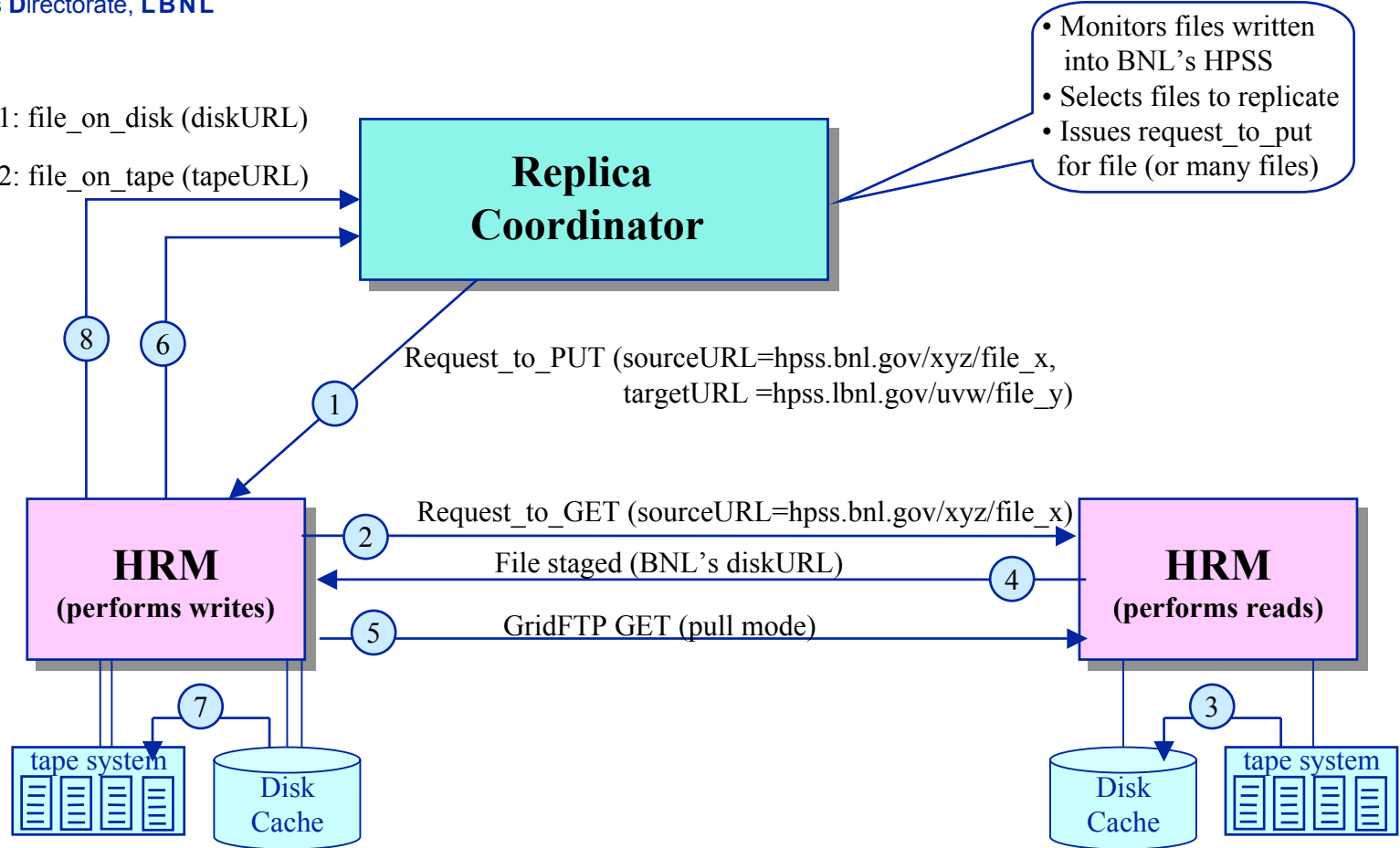


Sequence of actions (detailed view)

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(6) Call_back_1: file_on_disk (diskURL)

(8) Call_back_2: file_on_tape (tapeURL)



LBNL

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